

DIVISION 3 MAY 2006 STAFF MEETING

SAFETY & HEALTH TOPICS

Kathy Stephens
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Temporary Traffic Control - Attention to Detail



WORK SITES -

Stop Sign Blocked by Equipment



CHAIN SAW TRAINING UPDATE

- TRAINING PROGRAM DEVELOPED
- WORKING ON VIDEO
- LENGTH OF TRAINING: 4-5 HOURS
- 24 TRAINERS IN THE DIVISION
- INITIAL COURSE, ANNUAL REFRESHER
- COMPLETED TRAINING:
 - ONSLOW CM., DUPLIN CM., ROADOIL, SAMPSON BRIDGE, TRAFFIC SERVICES
 - CLASSROOM COMPLETED - HANDS ON NEEDED
 - BRUNSWICK CM., ROADSIDE ENV.

CHAIN SAW UPDATE

SCHEDULED:

SAMPSON CM - JUNE 1ST

NEED TO SCHEDULE:

PENDER CM., BRIDGE UNITS, EQUIPMENT UNITS

INVENTORY:

GOING TO WRAP AROUND CHAPS,

360 LEG PROTECTION,

INSEAM LENGTHS WILL BE 33", 36", 39"

***** HONEST INJUN (910) 791-9340 *****

TRAFFIC SERVICES- PARKING CONES



TRAFFIC SERVICES- PARKING CONES



HOT WEATHER - HEAT INJURIES

Heat Rash

“Prickly Heat”

Sweat cannot freely evaporate from the skin and sweat ducts become plugged

Prevented by:

- breathable clothing
- thorough cleansing of the skin
- mild drying lotions

HOT WEATHER - HEAT INJURIES

Heat Cramps

Cause – heavy physical labor in hot environments, lack of water replenishment

Dehydration with salt build up in muscles

Dehydration with excessive loss of salt during heavy sweating (extreme conditions)

Symptoms - Shriveled skin, dry mouth and tongue, and sunken eyes

HOT WEATHER - HEAT INJURIES

Heat Exhaustion

Blood supply is not adequate to deliver oxygen to body and remove heat from the core.

Symptoms - fatigue, headache, dizziness, profuse sweating, rapid pulse, thirst, loss of appetite, nausea and vomiting, fainting, dark colored urine, and pale clammy skin.

HOT WEATHER - HEAT INJURIES

Heat Stroke

Core temperature rises, sweating ceases

Symptoms – skin is hot, dry, and red; rapid pulse; confusion; nausea; convulsions; unconsciousness; rectal temp. > 105.8 Fahrenheit

Medical emergency

HOT WEATHER - HEAT INJURIES

Preventative Behavior

- Increase water/fluid intake to replace body fluid lost through perspiration
- Eat lightly
- Avoid alcohol
- Rest often
- Work during cooler periods of the day
- Limit activity in hot areas
- Slow down pace of work
- Reduce number/duration of exposures
- Wear proper clothing
- Provide recovery areas

BROWN RECLUSE



BROWN RECLUSE



BROWN RECLUSE



DAY 9



DAY 10



Spreader Chain Inspection

1910.184(a) Subpart N

Scope. This section applies to slings used in conjunction with other material handling equipment for the movement of material by hoisting covered by this part. The types of slings covered are those made from alloy steel chain, wire rope, metal mesh, natural or synthetic fiber rope and synthetic web

Spreader Chain Inspection

Subpart N covers equipment which is used to move materials such as cranes, excavators, forklifts, etc.

Spreader racks do not move material and as such are not covered.

However, it is wise and prudent to verify that the chains are in good shape and are appropriate for the job.

Recommended time is during test and maintenance of spreaders.

Chain Sling Inspection/Rejection

- Slings made with Inventory materials - OK
- Links marked with “8” every 3 to 4 feet
- Capacity & length tag
- Reject overall length stretched by 3%
- Reject individual stretched or bend links
- Reject severe corrosion OR Welding
- Reject hooks 15% throat or 10% twist

Spreader Chain Inspection

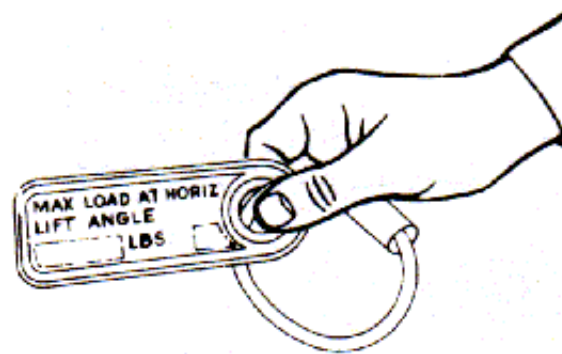
Alloy Chain Slings: Missing or Illegible Identification

Is there a difference in the number of legs as stated on the identification (tag) and what actually exists? **(remove)**

Does the rated load expressed on the identification sensibly match the general sling's overall design?

(evaluate)

Is the sling shorter than the identification's stated reach? **(reject)**



Spreader Chain Inspection

Alloy Chain Slings: Grade 80 Alloy

Can you identify the chain as grade 80 Alloy? (evaluate)



Grade 70

Transport Chain

Marked: 70, G7, 7, P7, 700, etc.
NOT FOR LIFTING!



Grade 80

Alloy Chain (Lifting Chain)

Marked: 80, G8, 8, P8, 800, A, A8A, H8, HA, etc.
LIFTING (SLING) CHAIN

Spreader Chain Inspection

Alloy Chain Slings: Structural Damage

Do any sling components appear to be collapsing or display permanent deformation?
(reject)

Does the sling appear to be elongated, yet contains inner-link wear? (evaluate)



Worn Links



Bent links



Gouged Links



Stretched Links

Spreader Chain Inspection

Alloy Chain Slings: Makeshift Links or Fasteners

Are there any non-rated components in the sling which would not be regarded acceptable by the original manufacturer or fabricator? **(remove)**

Do any legs have low carbon components, which do not appear to match the sling's rated capacity? **(remove)**



Spreader Chain Inspection

Conducting inspections

- Train Maintenance personnel in inspection techniques
- Be available to answer questions
- “Let me get back to you” is better than a wrong answer.

Reminder

- All Equipment and Maintenance personnel trained in rigging?
- Training package for Overhead cranes delivered?

Lewis Williams 919-414-0786

- available to answer questions

Spreader Chain Inspection

Tag



SPREADER RACKS



SPREADER RACKS



MR. JOE BLAIR

ZERO - ZERO



